

0590  
12/10  
0107

#6 OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/909,363

DATE: 12/10/2001  
TIME: 15:20:03

Input Set : A:\226272003802 seq. list..txt  
Output Set: N:\CRF3\12102001\I909363.raw

**ENTERED**

SEQUENCE LISTING

C--> 3 (1) GENERAL INFORMATION:  
5 (i) APPLICANT: Feldhaus, Andrew  
C--> 7 (ii) TITLE OF INVENTION: TRANSCRIPTIONALLY-ACTIVATED  
8 AAV INVERTED TERMINAL REPEATS (ITRs) FOR USE WITH  
RECOMBINANT  
9 AAV VECTORS  
11 (iii) NUMBER OF SEQUENCES: 21  
13 (iv) CORRESPONDENCE ADDRESS:  
14 (A) ADDRESSEE: MORRISON & FOERSTER  
15 (B) STREET: 755 PAGE MILL ROAD  
16 (C) CITY: PALO ALTO  
17 (D) STATE: CA  
18 (E) COUNTRY: USA  
19 (F) ZIP: 94304-1018  
21 (v) COMPUTER READABLE FORM:  
22 (A) MEDIUM TYPE: Diskette  
23 (B) COMPUTER: IBM Compatible  
24 (C) OPERATING SYSTEM: DOS  
25 (D) SOFTWARE: FastSEQ for Windows Version 2.0  
27 (vi) CURRENT APPLICATION DATA:  
C--> 28 (A) APPLICATION NUMBER: US/09/909,363  
C--> 29 (B) FILING DATE: 19-Jul-2001  
30 (C) CLASSIFICATION:  
44 (vii) PRIOR APPLICATION DATA:  
33 (A) APPLICATION NUMBER: 09/171,759  
34 (B) FILING DATE: 20-OCT-1998  
37 (A) APPLICATION NUMBER: PCT/US98/21937  
38 (B) FILING DATE: 20-OCT-1998  
41 (A) APPLICATION NUMBER: 08/955,400  
42 (B) FILING DATE: 27-OCT-1997  
45 (A) APPLICATION NUMBER: 60/108,162  
46 (B) FILING DATE: 21-OCT-1997  
48 (viii) ATTORNEY/AGENT INFORMATION:  
49 (A) NAME: Polizzi, Caterhine M.  
50 (B) REGISTRATION NUMBER: 40,130  
51 (C) REFERENCE/DOCKET NUMBER: 226272003802  
53 (ix) TELECOMMUNICATION INFORMATION:  
54 (A) TELEPHONE: 650-813-5600  
55 (B) TELEFAX: 650-494-0792  
56 (C) TELEX: 706141  
58 (2) INFORMATION FOR SEQ ID NO: 1:  
60 (i) SEQUENCE CHARACTERISTICS:  
61 (A) LENGTH: 40 base pairs  
62 (B) TYPE: nucleic acid  
63 (C) STRANDEDNESS: single  
64 (D) TOPOLOGY: linear  
66 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

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68 TCGAGTATAT AAGCAGAGCT CGTTTAGTGA ACCGTCAGAG 40
70 (2) INFORMATION FOR SEQ ID NO: 2:
72 (i) SEQUENCE CHARACTERISTICS:
73 (A) LENGTH: 40 base pairs
74 (B) TYPE: nucleic acid
75 (C) STRANDEDNESS: single
76 (D) TOPOLOGY: linear
78 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
80 TCGACTCTGA CGGTTCACTA AACGAGCTCT GCTTATATAC 40
82 (2) INFORMATION FOR SEQ ID NO: 3:
84 (i) SEQUENCE CHARACTERISTICS:
85 (A) LENGTH: 50 base pairs
86 (B) TYPE: nucleic acid
87 (C) STRANDEDNESS: single
88 (D) TOPOLOGY: linear
90 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
92 TCGAGTTCTC CCTCTTCCCC TTAAATTCCA CCTTAAAACA TCTGCAAAAC 50
94 (2) INFORMATION FOR SEQ ID NO: 4:
96 (i) SEQUENCE CHARACTERISTICS:
97 (A) LENGTH: 50 base pairs
98 (B) TYPE: nucleic acid
99 (C) STRANDEDNESS: single
100 (D) TOPOLOGY: linear
102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
104 TCGAGTTTTG CAGATGTTTT AAGGTGGAAT TAAAGGGGAA GAGGGAGAAC 50
106 (2) INFORMATION FOR SEQ ID NO: 5:
108 (i) SEQUENCE CHARACTERISTICS:
109 (A) LENGTH: 60 base pairs
110 (B) TYPE: nucleic acid
111 (C) STRANDEDNESS: single
112 (D) TOPOLOGY: linear
114 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
116 TCGAGTGCAC GCTCACGCAG GTTGCTATAT AAGCAGAGCT CGTTTAGTGA ACCGTCAGAG 60
118 (2) INFORMATION FOR SEQ ID NO: 6:
120 (i) SEQUENCE CHARACTERISTICS:
121 (A) LENGTH: 60 base pairs
122 (B) TYPE: nucleic acid
123 (C) STRANDEDNESS: single
124 (D) TOPOLOGY: linear
126 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
128 TCGACTCTGA CGGTTCACTA AACGAGCTCT GCTTATATAG CAACCTGCGT GAGCGTGCAC 60
130 (2) INFORMATION FOR SEQ ID NO: 7:
132 (i) SEQUENCE CHARACTERISTICS:
133 (A) LENGTH: 67 base pairs
134 (B) TYPE: nucleic acid
135 (C) STRANDEDNESS: single
136 (D) TOPOLOGY: linear
138 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
140 TCGAGGCGCC GCTAGGGGTC TCTCTCGGGT GCTATATAAG CAGAGCTCGT TTAGTGAACC 60

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141 GTCAGAG 67
143 (2) INFORMATION FOR SEQ ID NO: 8:
145 (i) SEQUENCE CHARACTERISTICS:
146 (A) LENGTH: 67 base pairs
147 (B) TYPE: nucleic acid
148 (C) STRANDEDNESS: single
149 (D) TOPOLOGY: linear
151 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
153 TCGACTCTGA CGGTTCACTA AACGAGCTCT GCTTATATAG CACCCGAGAG AGACCCCTAG 60
154 CGGCGGCC 67
156 (2) INFORMATION FOR SEQ ID NO: 9:
158 (i) SEQUENCE CHARACTERISTICS:
159 (A) LENGTH: 82 base pairs
160 (B) TYPE: nucleic acid
161 (C) STRANDEDNESS: single
162 (D) TOPOLOGY: linear
164 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
166 TCGAGCCGCT AGGGGTCTCT CTCGGGTGTG GGCCGGATCA GCTGACTCGC TGAGCCCCGC 60
167 CGCCGCGCTC GGGCTCCGTC AG 82
169 (2) INFORMATION FOR SEQ ID NO: 10:
171 (i) SEQUENCE CHARACTERISTICS:
172 (A) LENGTH: 82 base pairs.
173 (B) TYPE: nucleic acid
174 (C) STRANDEDNESS: single
175 (D) TOPOLOGY: linear
177 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
179 TCGACTGACG GAGCCCGAGC GCGGCGGCGG GGCTCAGCGA GTCAGCTGAT CCGGCCCACA 60
180 CCCGAGAGAG ACCCCTAGCG GC 82
182 (2) INFORMATION FOR SEQ ID NO: 11:
184 (i) SEQUENCE CHARACTERISTICS:
185 (A) LENGTH: 82 base pairs
186 (B) TYPE: nucleic acid
187 (C) STRANDEDNESS: single
188 (D) TOPOLOGY: linear
190 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
192 TCGAGAACGG TGACGTGCAC GCGTGGGCGG AGCCATCACG CAGGTTGCTA TATAAGCAGA 60
193 GCTCGTTTAG TGAACCGTCA GA 82
195 (2) INFORMATION FOR SEQ ID NO: 12:
197 (i) SEQUENCE CHARACTERISTICS:
198 (A) LENGTH: 83 base pairs
199 (B) TYPE: nucleic acid
200 (C) STRANDEDNESS: single
201 (D) TOPOLOGY: linear
203 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
205 TCGACTCTGA CGGTTCACTA AACGAGCTCT GCTTATATAG CAACCTGCGT GATGGCTCCG 60
206 CCCACGCGTG CACGTCACCG TTC 83
208 (2) INFORMATION FOR SEQ ID NO: 13:
210 (i) SEQUENCE CHARACTERISTICS:
211 (A) LENGTH: 110 base pairs

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212      (B) TYPE: nucleic acid
213      (C) STRANDEDNESS: single
214      (D) TOPOLOGY: linear
216      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
218      TCGAGCTGGA GCCGGTGCA GGTGCTCCG GTAACGGTGA CGTGACGCG TGGGCGGAGC      60
219      CATCACGCAG GTTGCTATAT AAGCAGAGCT CGTTTAGTGA ACCGTCAGAG      110
221 (2) INFORMATION FOR SEQ ID NO: 14:
223      (i) SEQUENCE CHARACTERISTICS:
224          (A) LENGTH: 110 base pairs
225          (B) TYPE: nucleic acid
226          (C) STRANDEDNESS: single
227          (D) TOPOLOGY: linear
229      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
231      TCGACTCTGA CGGTTCACTA AACGAGCTCT GCTTATATAG CAACCTGAGT GATGGCTCCG      60
232      CCCACGCGTG CACGTCACCG TTACCGGAGC AACCTGACAC CGGCTCCAGC      110
234 (2) INFORMATION FOR SEQ ID NO: 15:
236      (i) SEQUENCE CHARACTERISTICS:
237          (A) LENGTH: 83 base pairs
238          (B) TYPE: nucleic acid
239          (C) STRANDEDNESS: single
240          (D) TOPOLOGY: linear
242      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
244      TCGAGGCCAA TCAGCGTGCG CCGTTCCTTT TCTGGCTCGA GCGGCCCTA TATAAGCAGA      60
245      GCTCGTTTAG TGAACCGTCA GAG      83
247 (2) INFORMATION FOR SEQ ID NO: 16:
249      (i) SEQUENCE CHARACTERISTICS:
250          (A) LENGTH: 83 base pairs
251          (B) TYPE: nucleic acid
252          (C) STRANDEDNESS: single
253          (D) TOPOLOGY: linear
255      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
257      TCGACTCTGA CGGTTCACTA AACGAGCTCT GCTTATATAG GGGCCGCTCG AGCCAGAAAA      60
258      GGAACGGCGC ACGCTGATTG GCC      83
260 (2) INFORMATION FOR SEQ ID NO: 17:
262      (i) SEQUENCE CHARACTERISTICS:
263          (A) LENGTH: 88 base pairs
264          (B) TYPE: nucleic acid
265          (C) STRANDEDNESS: single
266          (D) TOPOLOGY: linear
268      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
270      TCGAGCCCCA CCCCCTGCCC CACCCCTGC CCCACCCCT GCCCCACCC CTGTATATAA      60
271      GCAGAGCTCG TTTAGTGAAC CGTCAGAG      88
273 (2) INFORMATION FOR SEQ ID NO: 18:
275      (i) SEQUENCE CHARACTERISTICS:
276          (A) LENGTH: 88 base pairs
277          (B) TYPE: nucleic acid
278          (C) STRANDEDNESS: single
279          (D) TOPOLOGY: linear
281      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:

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```
283 TCGACTCTGA CGGTTCACTA AACGAGCTCT GCTTATATAC AGGGGGTGGG GCAGGGGGTG      60
284 GGGCAGGGGG TGGGGCAGGG GGTGGGGC      88
286 (2) INFORMATION FOR SEQ ID NO: 19:
287     (i) SEQUENCE CHARACTERISTICS:
288         (A) LENGTH: 10 base pairs
289         (B) TYPE: nucleic acid
290         (C) STRANDEDNESS: single
291         (D) TOPOLOGY: linear
292     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
293     GCCGAGCGGG      10
294 (2) INFORMATION FOR SEQ ID NO: 20:
295     (i) SEQUENCE CHARACTERISTICS:
296         (A) LENGTH: 10 base pairs
297         (B) TYPE: nucleic acid
298         (C) STRANDEDNESS: single
299         (D) TOPOLOGY: linear
300     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
301     CCGAAAGTTG      10
302 (2) INFORMATION FOR SEQ ID NO: 21:
303     (i) SEQUENCE CHARACTERISTICS:
304         (A) LENGTH: 10 base pairs
305         (B) TYPE: nucleic acid
306         (C) STRANDEDNESS: single
307         (D) TOPOLOGY: linear
308     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
309     CCTTTTCTGG      10
```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/909,363

DATE: 12/10/2001

TIME: 15:20:04

Input Set : A:\226272003802 seq. list..txt

Output Set: N:\CRF3\12102001\I909363.raw

L:3 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]  
L:7 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:]  
L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]